

## METROSIL 8000 SERIES

A new standard in excitation technology to meet the evolving needs of our customers.

Protecting valuable assets is a top priority for any business. That's why Metrosil excitation protection assemblies are trusted by industry leaders worldwide. When faults occur, our 8000 Series ensures that disruption to power generation is kept to a minimum.

The 8000 Series was created as a direct response to both client and industry needs, and consequently was developed directly with leading OEMs and industry experts. The design of the assembly has been optimised for ease of installation and future-proofed to be compatible with industry developments.



### METROSIL 8000 SERIES FEATURES:

- All assemblies are high energy tested to 100% of full specification
- High energy performance assured prior to installation
- Metrosil 'pass' badge signifies quality
- All assemblies shipped with individual high energy test certificate

### METROSIL 8000 SERIES BENEFITS:

- Ergonomic design for ease of installation
- Protective bar avoids impact damage
- Anti-tamper device ensures assembly integrity
- Rating plate clearly defines assembly's capabilities
- Easy access connection points
- Flexible designs to match every system
- 80 years of manufacturing excellence behind every assembly

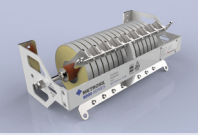
# HIGH ENERGY TEST REPORT

**METROSIL**  
HIGH ENERGY TEST  
**PASSED**

High Energy – 8000 Series Test Report  
Page 1 of 2

**Test Data**  
Job Information  
SME Number: SME0001234  
Test Operator: Rowley  
Set Number: 10  
Test Number: 123456  
Spec Issue Date: 13/11/2017  
Specification: 8000 Series  
Test Date & Time: 13/11/2017 11:43:45

| Parameter       | Results | Units        |
|-----------------|---------|--------------|
| Start Current   | 3800    | Amps         |
| End Current     | 4150    | Amps         |
| Average Current | 4015    | Amps         |
| Start Voltage   | 1120    | Volts        |
| End Voltage     | 1150    | Volts        |
| Average Voltage | 1110    | Volts        |
| Energy          | 746     | kJoules      |
| Test Time       | 220     | milliseconds |



[www.metrosil.com](http://www.metrosil.com)

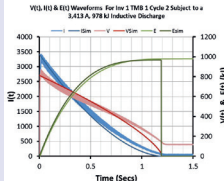
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Page 1 of 2

**Test Parameter Graph for:**  
SME Number: SME0001234  
Test Operator: Rowley  
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For added confidence, the high energy test is performed at a level which is higher than that of the rated design.



The graph opposite is a real time display of the test parameters during the test. It can be seen that there is a steady increase in absorbed energy until the test system determines that the test has been completed and power is removed. The applied voltage and resulting current and energy absorption are shown.

Test Conducted to Metrosil Work Instruction M Proc-003 in accordance with the test criteria stated in the above specification and SME Number.

Signed:  
Quality Department, M&I Materials Ltd.  
Stamp: Date: 13/11/2017

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## TRUSTED BY THE LARGEST POWER STATIONS

| Site         | Country         | Capacity (MW) |
|--------------|-----------------|---------------|
| Three Gorges | China           | 22,500        |
| Baihetan     | China           | 16,000        |
| Itaipu       | Brazil/Paraguay | 14,000        |
| La Grande    | Canada          | 12,800        |
| Xiluodu      | China           | 12,600        |
| Guri         | Venezuela       | 10,200        |
| Wudongde     | China           | 10,200        |
| Grand Coulee | USA             | 6,809         |
| Xiangjiaba   | China           | 6,400         |

[metrosil.com](http://metrosil.com)

For further technical details about the 8000 Series, please contact the Metrosil team via the contact details below:

### SALES ENQUIRIES

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